EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20050024381").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:45
L2	1204265	(detect$4 or track$4 or check$4 or monitor$4) same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:23
L3	147	L2 same (compar$4 or match$4) same sample same signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:23
L4	2	L3 and (714/732).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:27
L5	9	L3 and ("714"/$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:27
L6	2	3 same silent same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:30
L7	2	3 and (silent same (fail$4 or fault$4 or error$4 or problem or malfunction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:38
L8	0	3 and (714/41).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:38

L9	0	3 and (714/45).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:38
S3	1117	(clark-james$ or jeske-daniel$ or salvador-omar$ or sohraby-kazem$ or zhang-xuemei$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:27
S4	0	S1 and reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:28
S5	43	S3 and reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:33
S6	438	(714/1).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:51
S7	934	(714/48).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:53
S8	1227	(detect$4 or track$4 or check$4 or monitor$4) same silent same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:43
S9	1839	operation$4 adj3 signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:31

S10	90539	(obtain$4 or collect$4 or monitor$4) adj2 sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:04
S11	4	(compar$4 or match$4) same S9 same S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:09
S12	31	(compar$4 or match$4) and S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:41
S13	13	S12 and probability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:31
S14	5543	(detect$4 or track$4 or check$4 or monitor$4) same ((perform$4 adj bench adj marking) or (quality adj3 service))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:35
S15	42	histor$4 adj signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:38
S16	40	(compar$4 or match$4) same sample same signature same probability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:08
S17	2	S16 same S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:43

S18	2	S16 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:43
S19	2	S16 same silent same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:34
S20	7	S16 same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:51
S21	18	S12 not S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:51
S22	31	S16 and (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 15:57
S23	9	S16 not S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:06
S24	5506966	(active or master or primary or premier or first) same (second or slave or passive or standby or backup or back-up or redundan$4 or mirror or (back adj up))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:36
S25	4	S16 same S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:36

S26	5	(active or master or primary or premier) same (slave or passive or standby or backup or back-up or redundan$4 or mirror or (back adj up)) and S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:37
S27	4	S25 and ((compar$4 or match$4) same sample same signature) and probability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:45
S28	4	S25 and (compar$4 or match$4) and sample and signature and probability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 16:46
S29	471	(714/1).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:34
S30	1	S29 and (silent same (fail$4 or fault$4 or error$4 or problem or malfunction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:35
S31	1144	(clark-james$ or jeske-daniel$ or salvador-omar$ or sohraby-kazem$ or zhang-xuemei$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:35
S32	1309	(detect$4 or track$4 or check$4 or monitor$4) same silent same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:35
S33	1	S31 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:36

S34	1993	operation$4 adj3 signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:36
S35	96222	(obtain$4 or collect$4 or monitor$4) adj2 sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:36
S36	31	(compar$4 or match$4) and S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:36
S37	31	S34 and S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:38
S38	46	histor$4 adj signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:38
S39	45	(compar$4 or match$4) same sample same signature same probability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:38
S40	5739920	(active or master or primary or premier or first) same (second or slave or passive or standby or backup or back-up or redundan$4 or mirror or (back adj up))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:38
S41	2	S38 and S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:40

S42	2	S32 and S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:41
S43	1	S35 and S32 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 16:41
S44	1401	(detect$4 or track$4 or check$4 or monitor$4) same silent same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:29
S45	2	S44 same (compar$4 or match$4) same sample same signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:26
S46	9	(S44 same (compar$4 or match$4)) and sample and signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:10
S47	1204265	(detect$4 or track$4 or check$4 or monitor$4) same (fail$4 or fault$4 or error$4 or problem or malfunction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 14:12
S48	147	S47 same (compar$4 or match$4) same sample same signature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:27
S49	0	S48 same reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:34

S50	44	S48 and reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:37
S51	2	S50 and telephone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 11:37

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1   Design and Evaluation of Hybrid Fault-Detection Systems   ■

George A. Reis, Jonathan Chang, Neil Vachharajani, Ram Rangan, David I. August, Shubhendu S. Mukherjee

May 2005 **ACM SIGARCH Computer Architecture News , Proceedings of the 32nd Annual International Symposium on Computer Architecture ISCA '05,** Volume 33 Issue 2

Publisher: IEEE Computer Society, ACM Press

Full text available: 🗎 pdf(177.47 KB)   Additional Information: full citation, abstract, citings, index terms

> As chip densities and clock rates increase, processors are becoming more susceptible to transient faults that can affect program correctness. Up to now, system designers have primarily considered hardware-only and software-only fault-detection mechanisms to identify and mitigate the deleterious effects of transient faults. These two fault-detection systems, however, are extremes in the design space, representing sharp trade-offs between hardware cost, reliability, and performance. In this paper, ...

2   Software-controlled fault tolerance   ■

George A. Reis, Jonathan Chang, Neil Vachharajani, Ram Rangan, David I. August, Shubhendu S. Mukherjee

December 2005 **ACM Transactions on Architecture and Code Optimization (TACO),** Volume 2 Issue 4

Publisher: ACM Press

Full text available: 🗎 pdf(638.90 KB)   Additional Information: full citation, abstract, references, citings, index terms

> Traditional fault-tolerance techniques typically utilize resources ineffectively because they cannot adapt to the changing reliability and performance demands of a system. This paper proposes software-controlled fault tolerance, a concept allowing designers and users to tailor their performance and reliability for each situation. Several software-controllable fault-detection techniques are then presented: SWIFT, a software-only technique, and CRAFT, a suite of hybrid hardware/software techniques ...

Keywords: Software-controlled fault tolerance, fault detection, reliability

3   Selected writings on computing: a personal perspective   ■

Edsger W. Dijkstra
January 1982 Book

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81 Structured trace diagnosis for LSSD board testing—an alternative to full fault simulated diagnosis
F. Hsu, P. Solecky, R. Beaudoin
June 1981 **Proceedings of the 18th conference on Design automation DAC '81**
Publisher: IEEE Press

Full text available: 📄 pdf(550.62 KB)   Additional Information: full citation, abstract, references, citings, index terms

> This paper reviews the structured design concept and conventional diagnostic methods. It presents an alternate approach, called structured-trace method, for diagnosing failures on high level packages, which are structurally designed, such as LSSD structure. Implications of structured designs on failure diagnosis are discussed. Results from an evaluation study of the method are presented.

82 Accurate detection of very sparse sequence motifs
Andreas Heger, Michael Lappe, Liisa Holm
April 2003 **Proceedings of the seventh annual international conference on Research in computational molecular biology RECOMB '03**
Publisher: ACM Press

Full text available: 📄 pdf(322.61 KB)   Additional Information: full citation, abstract, references, index terms

> Protein sequence alignments are more reliable the shorter the evolutionary distance. Here, we align distantly related proteins using many closely spaced intermediate sequences as stepping stones. Such transitive alignments can be generated between any two proteins in a connected set, whether they are direct or indirect sequence neighbours in the underlying library of pairwise alignments. We have implemented a greedy algorithm, MaxFlow, using a novel consistency score to estimate the relative lik ...

> **Keywords**: algorithm, consistency, protein evolution, sequence alignment

83 Enlarge and enhance the view with video, audio and sensor networks: A video analysis framework for soft biometry security surveillance
Yuan-Fang Wang, Edward Y. Chang, Ken P. Cheng
November 2005 **Proceedings of the third ACM international workshop on Video surveillance & sensor networks VSSN '05**
Publisher: ACM Press